

PTO/SB/64/PCT (10-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN INTERNATIONAL APPLICATION FOR PATENT
 DESIGNATING THE U.S. ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

NREL 99-17

First named inventor: James L. Tangler

International (PCT) Application No.: PCT/US00/01434

U.S. Application No.:
(if known)

Filed: January 21, 2000

Title: Cooling-Tower Fan Airfoils

 Attention: PCT Legal Staff
 Box PCT
 Assistant Commissioner for Patents
 Washington, D.C. 20231

 FAX RECEIVED
 JAN 30 2002
 PETITIONS OFFICE

The above-identified application became abandoned as to the United States because the fees and documents required by 35 U.S.C. 371(c) were not filed prior to the expiration of the time set in 37 CFR 1.494(b) or (c) or 1.495(b) or (c) as applicable. The date of abandonment is the day after the date on which the 35 U.S.C. 371 (c) requirements were due. See 37 CFR 1.494(g) or 1.495(h).

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION
NOTE: A grantable petition requires the following items:

- (1) Petition fee
- (2) Proper reply
- (3) Terminal disclaimer with disclaimer fee--required for all international applications having an international filing date before June 8, 1995; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee
☒ Small entity - fee \$ 55.00 (37 CFR 1.17(m)). Applicant claims small entity status.
 See 37 CFR 1.27.

☐ Other than small entity - fee \$ _____ (37 CFR 1.17(m))

2. Proper reply
A. The proper reply (the missing 35 U.S.C. 371 (c) requirement(s) in the form of
Transmittal Letter to the U.S. Designating Office Filing Under 35 USC 371 (identify type of reply):

- ☐ has been filed previously on _____
- ☒ is enclosed herewith.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 1.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/64/PCT (10-00)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

3. Terminal disclaimer with disclaimer fee

- ☒ Since this international application has an international filing date on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/83).

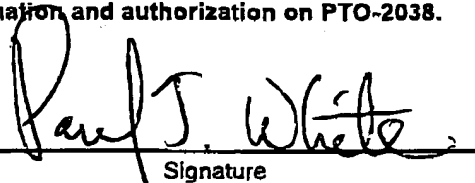
4. Statement. The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

September 14, 2000

Date

Telephone

Number: (803) 384-7575

Signature

Paul J. White, Reg. No. 30,436

Typed or printed name

National Renewable Energy Laboratory

Address

1617 Cole Blvd., Golden, CO 80401

- Enclosures: ☒ Response
☒ Fee Payment
☐ Terminal Disclaimer Form.
☐ _____

COMBINED DECLARATION AND POWER OF ATTORNEY

Received

SEP 24 2001

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled COOLING-TOWER FAN AIRFOILS FILED AS INTERNATIONAL PATENT APPLICATION, PCT/US00/01742, FILED 21 JANUARY 2000 AND FILED AS PROVISIONAL PATENT APPLICATION, SN 60/118,985, FILED 8 FEBRUARY 1999 the specification of which (check one)

☒ is attached hereto ☐ as filed on _____ as Serial No. _____

and was amended _____

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)Priority
claimed☐ ☐

Number	Country	Filed (Day/Month/Year)	Yes	No
<p>I (We) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I (we) acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:</p>				

Serial No.	Filing Date	Status
		Pending

POWER OF ATTORNEY: As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Names and Registration Nos.		Names and Registration Nos.
Paul J. White	30,346	
Ken Richardson	27,378	
<u>Send Correspondence to:</u> Paul J. White Senior Counsel National Renewable Energy Laboratory 1617 Cole Boulevard Golden, CO 80401		<u>Direct Telephone Calls to:</u> (Name and Telephone Numbers) Paul J. White 303/384-7575

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of joint inventor JAMES L. TANGLER
Inventor's signature *James L. Tangler* Date 9-27-01
Residence Boulder, Colorado Citizenship USA
Post Office Address 1740 Deer Valley Road
Boulder, CO 80303⁵

Full name of joint inventor DAN L. SOMERS
Inventor's signature *Dan L. Somers* Date 19 SEPTEMBER 2001
Residence Port Matilda, Pennsylvania Citizenship USA
Post Office Address 122 Rose Drive
Port Matilda, PA 16870

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of joint inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

3 Rec'd PCT/PTO 01 FEB 2002

Received

NREL 99-17

SEP 27 2001

The stamp of the U.S. Patent & Trademark Office hereon will acknowledge receipt of:

- 1) Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371 [2 pages]
- 2) Petition for Revival of an International Application for Patent Designating the U.S. Abandoned Unintentionally Under 37 CFR 1.137(b) [2 pages]
- 3) Un-executed Combined Declaration & Power of Attorney [2 pgs.]
- 4) Copy of International Parent Application [description 10 pgs, claims 4 pgs., abstract 1 pg + 1 sheet drawings] 16 pages
- 5) Certificate of Mailing Under 37 CFR 1.10

Re Inventors: James L. Tangler & Dan M. Somers
Title: Cooling-Tower Fan Airfoils

